

What is claimed is:

1. A premixed combustion gas burner having separated fire hole units comprising:
a tube-shaped burner whose front face is opened and inner portion is of a hollow
5 tubular shape so that the whole fire hole units of the burner can be separated to thus prevent
deformation due to thermal expansion, in which fire hole units each having a number of fire
holes formed at a predetermined distance from one another are disposed in both edge lines
and the inner portion on the upper end face, and loaders each having a predetermined space
are formed between the fire hole units; and
10 a plate-shaped burner which is made of a plate-shaped material having a pin structure
formed on the bottom thereof so as to be mounted on the loaders formed in the tube-shaped
burner, in which fire hole units having a number of fire holes formed at a predetermined
distance are disposed in the form of a slit along both the edge lines of the upper end face.
- 15 2. The premixed combustion gas burner of claim 1, wherein the number of fire
holes forming the fire hole units of the tube-shaped burner and the plate-shaped burner are
formed with a uniform size by a press.
- 20 3. The premixed combustion gas burner of claim 1, wherein a cooling water tube is
disposed to penetrate the fire holes through fitting holes formed on the lateral surface of the
tube-shaped burner and fitting holes formed on the pin-structure formed on the bottom of the
plate-shaped burner, in correspondence to the fitting holes of the tube-shaped burner.